

**STATE OF TENNESSEE
NOTICE TO CONTRACTORS OF
INTENT TO ADVERTISE FOR
STATE HIGHWAY CONSTRUCTION BIDS
TO BE RECEIVED MAY 13, 2016
COMPUTER-ASSISTED BIDDING (CAB) MANDATORY ON ALL CONTRACTS**

DAVIDSON, DICKSON, ROBERTSON, RUTHERFORD, SUMNER, WILLIAMSON, AND
WILSON COUNTIES (CNQ218)

The Nashville SmartWay Intelligent Transportation System (ITS) Maintenance (2016-2018).

Project No. NH-I-098-3(27), 98302-3102-44 (PIN 107545.03)

GENERAL PROJECT DESCRIPTION AND SCOPE OF WORK

Nashville/Region III SmartWay Maintenance: The Contractor shall be fully responsible for complete scheduled and unscheduled maintenance of the Nashville SmartWay Intelligent Transportation System (ITS), which will include but is not limited to the following:

- 206 surveillance cameras
- 81 dynamic message signs
- 14 highway advisory radio (HAR) Transmitters
- 47 highway advisory radio (HAR) Beacons
- 558 radar detection devices
- Traffic Management Center in Nashville
- Lease line and Ethernet communications

The maintenance contractor will be required to:

- Provide regularly scheduled maintenance on all ITS devices
- Provide unscheduled maintenance services within a determined timeframe
- Maintain an inventory of various equipment and replacement items
- Submit monthly status reports and conduct a monthly meeting
- Provide Tennessee One Call services
- Maintain ITS As-Built in Microstation

All equipment provided shall comply with applicable industry-approved standards for subsystems and communications networks. Use of approved industry standards and National Transportation Communications for ITS Protocols (NTCIP) shall be required for DMS and CCTV devices.

SCHEDULE

Working Days – Three year contract beginning 7/1/2016. The first month (July, 2016) will involve shadowing of the current maintenance contractor. Full maintenance responsibilities will begin on August 1, 2016.

No plans contract will be available April 15, 2016

Completion Time - On or before (July 31st, 2019)

Plans and Specifications will be available on the TDOT/Construction website.

<http://www.tdot.state.tn.us/construction/default.htm>

Prequalification's for this Project

Due to the specialized nature of work to be performed under this contract, prime contractors and subcontractors desiring to perform work on the above-described project must also meet the special prequalification's that follow. Both prospective prime contractors and subcontractors must submit and obtain approval of a Technical Statement. Firms may qualify as a prime contractor or subcontractor or as both. Qualification statements submitted in response to this request must indicate the qualification desired.

Joint ventures will be evaluated as a composite of the participating firms. Data submitted must identify the role of the joint venture partners and to which of the partners the experience is related.

Firms intending to prequalify as **prime contractors** must demonstrate at least five (5) years experience and at least two projects within the last five (5) years where they acted as the contractor in the installation and integration of freeway management systems of the complexity, diversity and scope of this project and that included **ALL** of the following components:

- Fiber-optic Communications
- Wireless Communications
- CCTV camera surveillance
- DMS
- Hardware and Software used for Transportation Management Centers

This experience must have been gained as the prime contractor, or if work as a subcontractor is to be substituted, the level of coordination must have been at a level equivalent to that of a prime contractor as determined by the Department.

Firms qualifying as **subcontractors** must also demonstrate at least five (5) years of experience and at least two projects within the last five (5) years in the type of work they plan to do on this project:

- Fiber-optic Communications
- Wireless Communications
- CCTV camera surveillance
- DMS
- Hardware and Software used for Transportation Management Centers

Project work associated with each specialty area listed above shall only be performed by **prime** or **subcontractor** firms prequalified in those areas of work.

NOTE: Additional subcontractors may also get prequalified after the project letting by submitting this same type of experience statement for review and approval.

Subcontractors performing work other than the specialty items listed above, such as the installation of guardrail, poles, footings, general electrical work, etc., are not required to pre-qualify.

Technical Experience Statements of all prospective prime contractors and subcontractors shall include the following data:

- A description of the firm's experience specifically in support of the requirements and specifically identifying the type of work as described above including the names of all relevant completed and in progress projects, description of the projects, value of the work, firm's project manager, and contact information. Contact information shall include name, address, and telephone number of individual representing each client/customer who is familiar with the system and services provided by the firm. By so listing, specific permission is granted to the Department to contact the individuals to verify the experience and satisfactory performance of services by the team.

When contacted, the client/customer of all prior projects will be asked to provide a characterization of the quality of work performed, matching one of the following three categories:

- Excellent: Carried out the work in a diligent manner, completed the work on time, and demonstrated superior technical competency.
- Satisfactory: Carried out the work without major incident, completed the work on time, and demonstrated adequate technical competency.
- Unsatisfactory: Encountered significant problems during construction, did not complete the work on time, or did not demonstrate adequate technical competency.

The firm must receive at least a "satisfactory" rating from a majority of those contacted to satisfy this reference requirement.

For prospective prime contractors, a **Project Approach and Management Plan** shall also be submitted. The project approach should demonstrate the understanding of this project and should include a discussion of the work required, the testing requirements, and a potential approach to it. The management plan should describe the general plan of attack for meeting the management requirements of the project. Include a description of the proposed methods for planning, organizing, scheduling, controlling and coordinating the total construction effort. Identify the senior level staff members who will have management responsibility for (1) construction, (2) hardware, (3) software, (4) testing, (5) training, (6) documentation, and (7) maintenance.

All prospective prime contractors and subcontractors shall specifically identify key personnel to be assigned to the project in the event award is made to your firm. These personnel should be assigned to the project for the duration of the project. Provide a detailed resume for each such individual describing the individuals' responsibilities on previous projects and their proposed responsibility on this project. Demonstrate that you have the capability, in terms of both types and quantities of personnel, facilities and equipment required to successfully accomplish the work in the Contract on schedule.

Technical Statements shall be submitted in the following order and format:

- Name, address, telephone number of submitter, including the name(s) of Joint Venture partner.
- A statement of the area for which prequalification is desired.
- Experience description and previous projects.
- List of references.
- Project Approach and Management Plan (Prime Contractor Applicants).
- Staff resumes.

The following will be required as a minimum for Staffing Availability and Qualifications:

The Contractor must provide a minimum of a four (4) person team that consists of three (3) Level 2 Technicians and one (1) Level 3 Technician and meets the qualifications set forth in this Contract for the duration of this Contract to ensure satisfactory completion of all Preventive Maintenance, Repair, and Special Maintenance activities. The project manager and lead technician shall remain actively involved in the monthly meetings.

Staffing Qualifications:

1. All personnel associated with this Contract must be qualified for the work that is to be performed. Lead communications and field hardware technicians shall hold all current required licenses for the work to be performed, and at a minimum have experience in the installation and maintenance. The technicians must be familiar with and clearly demonstrate familiarity with trouble shooting the types of devices that are installed. Technicians that are responsible for the electronic components must have a minimum of a two (2) year associate degree in electronics, communications or a related field of study plus two (2) years relevant work experience. An equivalent to this qualification would be a minimum of five (5) years of relevant field experience. Any proposed equivalent must be approved by TDOT. The Contractor shall have knowledge of and be able to operate existing equipment and software and must stay up to date on all hardware and software upgrades and be able to operate the software upgrades for the equipment, as needed.
2. Specifically, technicians must possess the following minimum skills:
 - a. Level 1 Technician – Possesses basic knowledge of electrical/electronic equipment, works under the supervision of a Level 2 or Level 3 Technician, assists in troubleshooting and repairing communications and computer networks and ITS field devices, assists in equipment inventory and the bar code system, and performs other related duties as assigned.
 - b. Level 2 Technician – Possesses intermediate level knowledge of electrical/electronic equipment, has experience in the installation and maintenance of communications and computer networks, troubleshooting and repairing computer networks and ITS field devices, clearly demonstrates understanding of fiber optic cables and equipment, may assist in training lower level technicians, performs equipment inventory and bar coding system, and performs other related duties as assigned.
 - c. Level 3 Technician – Possesses the knowledge to perform complex communications network and ITS field device technical support, advanced troubleshooting skills, experience with repair and maintenance of equipment within the TMC including the video wall, ability to remotely monitor the ITS system, advanced knowledge of fiber optic cables and test equipment, ability to read and follow schematics and diagrams, ability to organize work tasks, may assist in training lower level technicians, and performs other related duties as assigned.

If you have any questions about the prequalification process or the submittal requirements, please contact Said El Said at the following email address: TDOT_ITS@tn.gov

All Prime Contractor Technical Statements must be received by the Department no later than 4:00p.m. C.D.T. April 8, 2016.

Submit one (1) pdf copy of the submittal via email or in a sealed envelope identified as "Prequalification Submittal", "Region Three/Nashville SmartWay Maintenance". Include a transmittal letter or email which includes the name and address of the company submitting and the specific individual (with mailing address and telephone number) to be contacted relative to matters in the submittal. All submittals should be addressed to:

Said El Said
Tennessee Department of Transportation
James K. Polk Building, Suite 1200
505 Deaderick Street
Nashville, TN 37243-0330
Phone: 615-253-0053

Evaluation of the prospective bidder's qualifications will be based on the information described above. Prospective bidders will be categorized as either:

- **Qualified** - Only those prospective bidders who submit acceptable qualification submittals that must include: the required relevant experience, a "satisfactory" rating from a majority of the past clients/customers, and an acceptable project approach and management plan which demonstrates an understanding of the project and the ability to satisfactorily complete it on schedule.
- **Unqualified.**

The Department will be the sole judge of the eligibility of prospective bidders and reserves the right to refuse eligibility to any firm which, in its opinion, is not technically qualified or properly staffed to successfully and satisfactorily complete the required work.

The Department will advise all prospective prime contractors and subcontractors of their status by **April 15, 2016** at which time final contract documents will become available to those who qualify. The Department will advise prime contractors whose Technical Statements have been approved of the names of all firms qualified as subcontractors.

In addition to the qualification process detailed above, the following requirements apply to the contract and subject to approval of the Construction Division:

Both Prime and Subcontractors must prequalify with The Department of Transportation in accordance with Tennessee Code Annotated 54-5-117 and Tennessee Department of Transportation Rule 1680-5-3, before biddable proposals for highway contracts will be furnished. **The Contractor Qualification Statement must be filed with the Department at least fourteen (14) days prior to the date of any letting in which the applicant wishes to submit a bid to the Department. The questionnaire electronic form can be found on the TDOT/Construction Division website under:**

http://www.tn.gov/assets/entities/tdot/attachments/ITS_Contractor_Qualification_Statement.doc

Requests for Tentative Special Provisions, Standard Specifications and Standard Drawing Books should be addressed to the following:

Construction Division
Suite 700 JKP Bldg.
Nashville, TN 37243-0326
Telephone No. (615) 741-2414

All prime contractors and subcontractors with approved Technical Statements may obtain final contract documents after the prequalification process. Prime contractors may submit bid proposals to the Department in accordance with this Notice provided they are properly prequalified as stipulated herein.

The Tennessee Department of Transportation hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the basis of age, race, color, religion, national origin, sex, or disability in consideration for an award.

The right to reject any and all bids is reserved.

AFTER THE PREQUALIFICATION PROCESS, PROPOSAL CONTRACTS FOR THOSE PREQUALIFIED WILL BE ISSUED UNTIL THE TIME SET FOR OPENING BIDS.

Sales tax will be added to the cost of proposals, plans, standard specifications and standard drawings, if applicable.

Summary of Schedule

March 18, 2016:	Intent to Advertise- Prequalification Process posted on Website
March 25, 2015:	Specifications become available
April 8, 2015:	Prime Contractor Technical Statements Due
April 15, 2016:	TDOT Notifies Contractors of Prequalification Status
May 13, 2016:	Bids Due